

ABSTRACT OF THE DISCLOSURE

A wireless transceiver including multiple antennas, an antenna switch, and a media access controller that controls the antenna switch for determining when to switch to another antenna based on packet error rate (PER). Instead of switching the antenna on a packet-by-packet basis, antenna selection is made after one or more packets errors have been detected. The CRC is used to identify receive packet errors. A timer is used to determine each transmit packet error when an acknowledge packet is not received in time. A method of selecting from among multiple antennas including counting packet errors, comparing a packet error count with a threshold value to determine a threshold condition, switching to a different antenna if the threshold condition is met, and resetting the packet error count when the threshold condition is met.